NE Ed-Fi Suite v7.3, Data Standard v5.2: Student Title I Part A Program Associations

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Summary

This association represents the Title I Part A program(s) that a student participates in or from which the student receives services.

Object Triggering Logic

Action	Business Rule(s)

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Post	- When an enrollment is created and saved, and at least 1 of the Title 1 service checkboxes are checked, and Targeted Assistance is selected, it qualifies. - Only report a single record per school, per student, per enrollment Start Date - If there are multiple enrollments in the same school that **qualify**, and have the same enrollment Start Date, report based on primacy of Service Type: - P: Primary - S: Partial - N: Special Ed - If there are multiple enrollments in the same school that qualify, with the same Service Type and enrollment Start Date, report the highest enrollmentID - Do not report if the student's Enrollment has any of the following indicated: - No Show - Enrollment state exclude - Calendar exclude - School exclude - If the service type is being changed for the enrollment record being reported in this resource, report a new record for the new properly reported enrollment, if previously not the reporting enrollment. - When any field part of the natural key is updated
Delete /Post Put	A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise. - Update the record if any other fields in this resource are changed that are not part of the natural key - When any enrollment record that previously had at least one Title 1 service checkbox selected & saved, and additional Title 1 services are selected and saved, update the services field - When any enrollment record that previously had more than one Title 1 service checkbox selected & saved, and at least one Title 1 services are subsequently unchecked and saved, and there is at least one Title 1 service still selected, update the services field

Delete	- If the service type is being changed for the enrollment record being reported in this resource, delete the record if the enrollment is no longer the reported enrollment. - When any field part of the natural key is updated - When any enrollment record that previously had at least one Title 1 service checkbox selected & saved, and all Title 1 services in that enrollment record are subsequently unchecked & saved, delete the record. - When any enrollment record that previously had at least one Title 1 service checkbox selected & saved, and the enrollment record is subsequently deleted, delete the record.

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Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Local Education Agencies
- Students
- Programs

Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- N/A

Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix
400: Validation of '**RESOURCE**' failed. **FIELD** is required.	An element of the JSON that is required is missing and needs to be added. - Double check that all bolded data elements below are reporting a valid value and no data elements below are reporting an invalid value.
400: '**RESOURCE**' failed. **RESOURCE** reference could not be resolved.	A resource that was referenced from a difference resource does not yet exist. - Resync the resource being mentioned in the error, then resync the errored resource. Alternatively, the resource being referenced may be incorrect. This can happen with Schools and the Ed-Fi School ID being used as an example. Double check the referenced values being sent are valid.

403: Authorization denied. The claim does not have any established relationships with the requested resource.	The key/secret being used does not have permission to send a record for the resource / referenced resource. • Double check your API credentials (key/secret). Sometimes specific keys/secrets cannot report specific resources. • The referenced person (student, staff, parent, contact, etc.) has not yet been associated to the key /secret. Resync their "linking" resource (Students Student School Associations, Staffs Staff Education Organization Assignment Associations, etc.) then resync the errored resource. • The referenced person (student, staff, parent, contact, etc.) may not exist in the ODS yet. Resync the "person" resource and the "linking" resource (Students Student School Associations, Staffs Staff Education Organization Assignment Associations, etc.) then resync the errored resource.
404: Failed to delete '**RESOURCE**'. Record does not exist.	The attempt to delete a specific Ed-Fi record ID in the ODS failed because it did not exist. • This error can be ignored. The ID was cleared from the Ed-Fi Identity Mapping Report and will not attempt to delete again.
409: A natural key conflict occurred when attempting to create a new resource '**RESOURCE**' with a duplicate key.	The Ed-Fi API has a natural key system alongside a standard REST ID system. This error is often protecting against the erroneous creation of a duplicate record in the API. However, it may also indicate that the natural key requirements of the Ed-Fi API have not been satisfied, and the key needs to be modified. • Check for duplicate data in your Campus site. If no duplicate data can be found, report the issue to Campus Support. ○ This can be caused by numerous issues. Our code may be attempting to send duplicate records when it should not. The natural key (bolded fields below) may not be unique enough to satisfy Ed-Fi requirements in all cases. Most times this error will require a code change to fix.
409: The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the '**RESOURCE**' entity.	The resource that the application is attempting to delete is referenced from another entity. • Use the Delete Tool to delete the referenced resource in the error message. Then retry the delete on the original resource that errored.

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| 500: Internal Server Error. | Something unexpected happened and no specific error message could be returned.

 • This issue usually occurs when the ODS is having issues. Confirm that there are no issues with the ODS the data is being sent to and then attempt to retry the errored record.
 • Contact Campus Support if 500 errors continue to occur, can be replicated consistently, and the ODS the data is being sent to has no ongoing issues.
   ○ There is a chance that Campus Ed-Fi code is sending an invalid JSON request resulting in the 500 error.
   ○ There is a chance that an Ed-Fi Data Standard / API bug is causing the issue.
   ○ Investigation is needed in these cases as there are many different potential causes. |

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Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element. For Core Ed-Fi connections, it indicates what the data standard requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✅ / ❌ / EXT)
1	**beginDate**	*The month, day, and year on which the student first received services. NEDM: Beginning Date* Reports the Enrollment Start Date.	M	Student Information > General > Enrollments > General Enrollment Information > Start Date	title1. startDate	

| 2 | endDate | *The month, day, and year on which the student exited the program or stopped receiving services. NEDM: Ending Date*

1. Reports the Enrollment End Date.
2. Report the end date as follows:
  a. If students have an endDate on their Title 1 record, report that date.
  b. If students do not have endDate's, when looking for the calendar end date, if the calendar end date is beyond 06/30/endYear, report as 06/30/endYear.
  c. If students have a calendar end date of 06/30/endYear, report that date.
3. If a previous year's record was closed without an end date and the school year has changed from the year that the record was created, do not report. | C | Student Information > General > Enrollments > General Enrollment Information > End Date | title1. endDate | |
| 3 | services | *An unordered collection of studentProgramAssociationServices. This association represents the Title I Part A program(s) that a student participates in or from which the student receives services. The association is an extension of the StudentProgramAssociation particular for Title I Part A programs.*

Report based on the array below | O | | | |

Array Data Elements

Data Element Label	Business Requirements	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Uses Template Logic (✅ / ❌ / EXT)

titleIPartAProgramServiceDescriptor	*The ID of the Service Descriptor*
	
	1. Report a service for each Title 1 checkbox that is selected on the enrollment.
	   a. Report the Ed-Fi code value of the **titleIPartAProgramServiceDescriptor** that corresponds with the service selected
	   b. titleIPartAProgramServiceDescriptors
		M	Student Information > General > Enrollments > Title 1 area	

primaryIndicator	*True if service is a primary service.* • This is optional, do not report	O		
serviceBeginDate	*First date the Student was in this option for the current school year.* • This is optional, do not report	O		
serviceEndDate	*Last date the Student was in this option for the current school year.* • This is optional, do not report	O		

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Appendix

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